

0420 : 142



OIPE

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/060,036

DATE: 02/22/2002 P.5
TIME: 16:12:03

Input Set : F:\566.app

Output Set: N:\CRF3\02222002\J060036.raw

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4 <110> APPLICANT: Benson, Darin R.
5     Kalos, Michael D.
6     Lodes, Michael J.
7     Persing, David H.
8     Hepler, William T.
9     Jiang, Yuqiu
12 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
13     AND DIAGNOSIS OF PANCREATIC CANCER
16 <130> FILE REFERENCE: 210121.566
C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/060,036
19 <141> CURRENT FILING DATE: 2002-01-30
21 <160> NUMBER OF SEQ ID NOS: 4560
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26 <211> LENGTH: 604
27 <212> TYPE: DNA
28 <213> ORGANISM: Homo sapiens
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33 acgggaccct ccagcacagt gtccagcagg tcctgttgga gatgatatgt tccattggca 180
34 agctacaata atggggccaa atgacagtcc ctatcagggt ggagtatttt tcttgacaat 240
35 tcatttccca acagattacc ccttcaaacc acctaagggt gcatttacia caagaattta 300
36 tcatccaaat attaacagta atggcagcat ttgtcttgat attctacgat cacagtggtc 360
37 tccagcacta actatttcaa aagtactctt gtccatctgt tctctgttgt gtgatcccaa 420
38 tccagatgat cctttagtgc ctgagattgc tcgcatctac aaaacagata gagaaaagta 480
39 caacagaata gctcgggaat ggactcagaa gtatgcgatg taattaaaga aattattgga 540
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41 gact
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49 <221> NAME/KEY: misc_feature
50 <222> LOCATION: 6
51 <223> OTHER INFORMATION: n = A,T,C or G
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55 gaagtactgc caagtcattc gtgtcattgc ccacaccag atgcgcctgc ttcctctgcg 120
56 ccagaagaag gccacactga tggagatcca ggtgaacgga ggcactgtgg ccgagaagct 180
57 ggactgggccc cgcgagagcc ttgagcagca ggtacctgtg aaccaagtgt ttgggcagga 240
58 tgagatgata gacgtcatcg gggtgaccaa gggcaaaggc tacaaggagg tcaccagtcg 300

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Input Set : F:\566.app
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116 ggcgtctgga agtccaatgt ggcaaggaaa aacagggtctt catcgaatct actaattcca 120
117 caccttttat tgacacagaa aatggtgaga atcccaaatt tgattgattt gaagaacatg 180
118 tgagagggtt gactagatga tggatgccaa tattaatctt gctggagttt catgtacaag 240
119 atgaaggaga ggcaacatcc aaaatagtta agacatgatt tccttgaatg tggcttgaga 300
120 aatatggaca cttaatacta ccttgaaaat aagaatagaa ataaaggatg ggattgtgga 360
121 atggagattc agttttcatt tggttcatta attctataag gccataaaac aggtaatata 420
122 aaaagcttcc atgattctat ttatatgtac atgagaagga acttccaggt gttaatgtaa 480
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134 caccaagatg ataccctgtg acttctcat cccgggtccag acccagcacc ccatacggaa 180
135 ggggtctgcat cacaagatcc tcctggccaa cttcttggcc cagacagagg ccctgatgag 240
136 gggaaaatcg acggaggagg cccgaaagga gctccaggct gcgggcaaga gtccagagga 300
137 ccttgagagg ctgctgccac ataaggtctt tgaaggaaat cgcccaacca actctattgt 360
138 gttcaccaag ctacacaccat tcatgcttgg agccttggtc gccatgtatg agcacaagat 420
139 ctctgttcag ggcacatctt gggacatcaa cagctttgac cagtggggag tggagctggg 480
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141 cgacgcttct accaat                                     556
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144 <211> LENGTH: 601
145 <212> TYPE: DNA
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151 actaaccaac acactaacca tataccaatg atggcgcat gtaacacgag aaagcacata 180
152 ccaaggccac cacacaccac ctgtccaaaa aggccttcga tacgggataa tcctatttat 240
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154 ccctaccccc caattaggag ggcactggcc cccaacaggc atcaccgccg taaatcccct 360
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156 tcaccatagt ctaatagaaa acaaccgaaa ccaaataatt caagcactgc ttattacaat 480
157 tttactgggt ctctatttta ccctcctaca agcctcagag tacttcgagt ctcccttcac 540
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159 c                                     601
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162 <211> LENGTH: 602
163 <212> TYPE: DNA
164 <213> ORGANISM: Homo sapiens
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168 agcctggaac cccttccgct ccaagctagc agcagcaatc ctgggtgggtg tggaccagat 120
169 ccacatcaaa ccgggggcta aggttctcta cctcggggct gcctcgggca ccacggtctc 180
170 ccatgtctct gacatcgttg gtcgggatgg tctagtctat gcagtcgagt tctcccaccg 240

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61 ccatcaccgc actgagatca acaagaagat ttata 455
62 <210> SEQ ID NO: 3
63 <211> LENGTH: 604
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68 gtaacctacc cctgtgggtc atcatcatgc cctccgacct ggccaagaag aaggcagcca 120
69 aaaagaagga ggctgccaaa gctcgacagc ggcccagaaa aggacatgaa gaaaatggag 180
70 atgttgctac agaaccacag gtggcagaga agaattgagg caatggcaga gagaccacag 240
71 aagtagattt gctgaccaag gagctagagg actttgagat gaagaaagct gctgctcgag 300
72 ctgtcactgg cgtcctggcc tctcaccoca acagtactga tgttcacatc atcaacctct 360
73 cacttacctt tcatggtcaa gagctgctca gtgacaccaa actggaatta aactcaggcc 420
74 gtcgttatgg cctcatttgt ttaaatggaa ttggaaagtc catgctgctc tctgctattg 480
75 ggaagcgtga agtgcccatc cctgagcaca tcgacatcta ccatctgact cgagagatgc 540
76 cccctagtga caagacaccc ttgcattgtg tgatggaagt cgacacagag cgggccatgc 600
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84 agaacgggtt ccggaaggtc cagctggagg cccggacacc actcccacga gggacggaca 120
85 atgaagtggc cgccttgtag cccccgtgg tgcagctgca cgacagcaac ccctacccgc 180
86 ggcgggagca cccccacccc accgcgcggc cctggcgggc agatgacatc ctggccagcc 240
87 cccctcgctt gcccgagccc cagccctacc ccggagcccc gcaccacagc tcctacgtgc 300
88 acctgcggcc ggcacgaccc acaagccac ccgccacagc caccgcgact tccagccggt 360
89 gctccacctg gttgcgtcga acagccccct gtcaggcggc atgcggggca tccgcggggc 420
90 cgacttccag tgct 434
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92 <211> LENGTH: 301
93 <212> TYPE: DNA
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95 <400> SEQUENCE: 5
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98 aactatttca aaagtactct tgtccatctg ttctctgttg tgtgatccca atccagatga 180
99 tccttttagtg cctgagattg ctcgatcta caaaacagat agagaaaagt acaacagaat 240
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101 c 301
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103 <211> LENGTH: 554
104 <212> TYPE: DNA
105 <213> ORGANISM: Homo sapiens
106 <400> SEQUENCE: 6
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171 ctctggccgt gacctcatta acttggccaa gaagaggacc aacatcattc ctgtgatcga 300
172 ggatgctcga caccacaca aataccgcat gctcatcgca atggtggatg tgatctttgc 360
173 tgatgtggcc cagccagacc agaccggat tgtggccctg aatgccaca ccttcctgcg 420
174 taatggagga cactttgtga tttccattaa ggccaactgc attgactcca cagcctcagc 480
175 cgaggccgtg tttgcctccg aagtgaaaaa gatgcaacag gagaacatga agccgcagga 540
176 gcagttgacc cttgagccat atgaaagaga ccatgccgtg gtcgtgggag tgtacaggcc 600
177 ac 602
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182 <213> ORGANISM: Homo sapiens
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186 ctggaagttt aattatatgt agagtggaaa ggcagttcca gtttttagcac agatttgttt 120
187 atgtgttcag attttaatag agattcaaaa atgactcatt ttaccaata atgttaaatt 180
188 agttttggtt gtgctagcat gaattaataa ccaccatttt ataccagtat catcagtga 240
189 gaattgtatt tcaagattca aacaataacc agcaattaaa cttttttcta caatgtattt 300
190 gtttgcgagt aggacttggg agtcattggg aaaaaaaaaat aataaatttt ccccttcatt 360
191 aacgaaaaaa aa 372
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194 <211> LENGTH: 493
195 <212> TYPE: DNA
196 <213> ORGANISM: Homo sapiens
198 <400> SEQUENCE: 11
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201 caataacttg aaggcccgca attccttcgg ctacaacgga ctgattcacc gcaagactgt 180
202 gggcgtggag ccggcagccg acggcaagg tgctgtggtg gtcattaagc ggagatccgg 240
203 ccagcggaag cctgccacct cctatgtgcg gaccaccatc aacaagaatg ctgcgcgccac 300
204 gctcagcagc atcagacaca tgatccgcaa gaacaagtac cgccccgacc tgcgcatggc 360
205 agccatccgc agggccagcg ccctcctgcg cagccagaag cctgtgatgg tgaagaggaa 420
206 ggggaccgcg cccaccaaga gctcctgagc cccctgcccc cagagcaata aagtcagctg 480
207 gctttctcaa aaa 493
209 <210> SEQ ID NO: 12
210 <211> LENGTH: 442
211 <212> TYPE: DNA
212 <213> ORGANISM: Homo sapiens
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217 gaatgcttat agatgatgaa aacctgggtg gctgcagagc ccagttttaga agaagtgtgt 180
218 tgggggttgg ggacagattt ggtggtggta tttcccaact gtttctctcc ctaaattcag 240
219 aggaatgcag ctatgccaga agccagagaa gagccactcg tagcttctgc tttggggaca 300
220 actggtcagt tgaaagtccc aggagttcct ttgtggcttt ctgtataact ttgcctggtt 360
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222 ttgattaaaa gagaaagcca aa 442
224 <210> SEQ ID NO: 13
225 <211> LENGTH: 603
226 <212> TYPE: DNA

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232 tggttttgtt atcgaagctt tcaccagact accatacctg tgtgaaggcg acatgtataa 180
233 tgactactac gttctggatg acgctgtctt tgttctcaaa ccagtataaa cacgtggagg 240
234 tcgaagtctt cagagtccgc accctccggg atgtgccctt ggaagagggt ctgtgttcac 300
235 aattacgtga agggaggacc cttggggacc gccattctaa atatcatgta ggaatttaaa 360
236 aagccaaaat actaattatt tctttgtagt gtgtaaagga atgtttttta aagacaaaaa 420
237 cccaactctt tgtggatttt tatcaactct ttactcagag ccactctcca atgcaggcca 480
238 cactccaatt atgatggaag atatttttta tacttaattg cagtagggac tcattcccag 540
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240 ata 603
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243 <211> LENGTH: 531
244 <212> TYPE: DNA
245 <213> ORGANISM: Homo sapiens
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250 accaggacag aatcattat cttagccacc agaacacaga atgttcttgg tgagaaggcg 180
251 cggcggtatc ggaactgac tgctgtagtt cagaagagggt ttggctttcc agagggcagt 240
252 gtagagcttt atgctgaaaa ggtggccact agaggtctgt gtgccattgc ccaggcagag 300
253 tctctgcgtt acaaaactct aggaggcctt gctgtgcgga gggcctgcta tgggtgtgctg 360
254 cggttcatca tggagagtgg ggccaaaggc tgcgaggttg tgggtgtctg gaaactccga 420
255 ggacagaggg ctaaattccat gaagtttgtg gatggcctga tgatccacag cggagaccct 480
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261 <213> ORGANISM: Homo sapiens
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265 <222> LOCATION: 4, 39, 40, 43, 168, 212, 385, 447
266 <223> OTHER INFORMATION: n = A,T,C or G
268 <400> SEQUENCE: 15
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270 tgacgtcggg ggaacaacat tccctgtcac tcgaggccag gatgtggggc gttatcaggt 120
W--> 271 gtcctggagc ctggaccaca agagcgccca cgcaggcacc tatgaggnta gattcttcga 180
W--> 272 cgaggagtcc tacagcctcc tcaggaaggc ttagaggaat aacgaggaca tttccatcat 240
273 cccgcctctg tttacagtca gcgtggacca tcggggcact tggaaacggc cctgggtgtc 300
274 cactgaggtg ctggtgcggg cgatcggctt gtgatctact acttggcctt cagtgcgaag 360
W--> 275 agccacatcc aggcctgagg gcggnacccc agccctgcct tgctttcttc aataaacatc 420
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279 <211> LENGTH: 502
280 <212> TYPE: DNA
281 <213> ORGANISM: Homo sapiens
283 <220> FEATURE:

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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/060,036

DATE: 02/22/2002

TIME: 16:12:04

Input Set : F:\566.app

Output Set: N:\CRF3\02222002\J060036.raw

L:18 M:270 C: Current Application Number differs, Wrong Format
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:472 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41
L:1399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:2227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:2228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:2242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:2243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:2246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:2247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:2248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:2249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:2264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:2266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:2267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:2268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:2269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:2270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:2271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:2287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78
L:2289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78
L:2305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79
L:2306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79
L:2307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79
L:2323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80
L:2340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81

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Input Set : F:\566.app

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L:2342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81
L:2343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81
L:2344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81